

# VMware Tanzu Mission Control: Management and Operations 2024 (VTMCMO2024)

ID VTMCMO2024 Price 2,250.— €(excl. VAT) Duration 3 days

## Who should attend

Administrators or application owners who are responsible for deploying and managing Kubernetes clusters and workloads

## Prerequisites

- Experience deploying and managing multiple Kubernetes clusters
- Experience with Kubernetes RBAC, network policies, resource quotas, and pod security policies

Attending one of the following courses is recommended:

- [VMware Tanzu Kubernetes Grid: Install, Configure, Manage \[V2.0\] \(TKGICM2\)](#)
- [Kubernetes Fundamentals and Cluster Operations \(KFCO\)](#)

## Course Objectives

By the end of the course, you should be able to meet the following objectives:

- Describe the VMware Tanzu Mission Control architecture
- Configure user and group access
- Create and manage Kubernetes clusters
- Create image registry, network, quota, security, custom, access and mutation policies
- Connect your on-premises vSphere with Tanzu Supervisor to VMware Tanzu Mission Control
- Create, manage, and back up VMware Tanzu® Kubernetes Grid™ clusters
- Create and manage Amazon Elastic Kubernetes Service clusters
- Perform cluster inspections
- Manage packages in your clusters
- Monitor and secure Kubernetes environments

## Course Content

### Course Introduction

- Introduction and course logistics
- Course Objectives

### Introducing VMware Tanzu Mission Control

- Describe VMware Tanzu Mission Control
- Describe vSphere with Tanzu
- Describe Tanzu Kubernetes Grid
- Describe VMware Tanzu® for Kubernetes Operations
- Describe how to manage Kubernetes clusters
- Explain VMware Tanzu Mission Control Self-Managed
- Describe VMware Aria Operations™ for Applications
- Describe VMware Tanzu® Service Mesh™ Advanced edition
- Describe VMware Aria Automation™
- List the open-source integrations
- Describe VMware Cloud™ services
- Describe the VMware Cloud services Catalog
- Explain how to access VMware Tanzu Mission Control

### VMware Tanzu Mission Control Access Tools

- Explain VMware Cloud services and enterprise federation
- Describe VMware Cloud services roles
- Explain multifactor authentication
- Describe the VMware Tanzu Mission Control UI
- List the components of the VMware Tanzu Mission Control UI
- Describe the VMware Tanzu CLI
- Install the Tanzu CLI
- Describe the VMware Tanzu Mission Control API
- Access the VMware Tanzu Mission Control API

### Management Clusters

- Outline the steps for registering a management cluster to VMware Tanzu Mission Control
- Discuss what a management cluster is
- Describe provisioners
- Explain the purpose of a cloud provider account
- Describe Amazon Elastic Kubernetes Service
- Create Amazon Web Services credentials
- Describe Azure Kubernetes Service

## Workload Clusters

- Describe VMware Tanzu Kubernetes Grid workload clusters
- Explain how to create a cluster
- Explain how to configure a cluster
- Describe Amazon Elastic Kubernetes Service workload clusters
- Describe Microsoft Azure Kubernetes Service workload clusters
- Explain how to attach a Kubernetes cluster
- Explain how to verify the connections to the cluster
- Describe cluster health

## Policy Management

- Describe the policy model
- Describe the available policy types
- Explain how access policies grant users access to different resources
- Explain how image registry policies restrict from which image registries container images can be pulled
- Outline how network policies are applied to clusters
- Discuss how security policies control deployment of pods in a cluster
- Discuss how quota policies manage resource consumption in your clusters
- Discuss how custom policies implement specialized policies that govern your Kubernetes clusters
- Describe mutation policies
- Explain how Policy Insights reports VMware Tanzu Mission Control policy issues

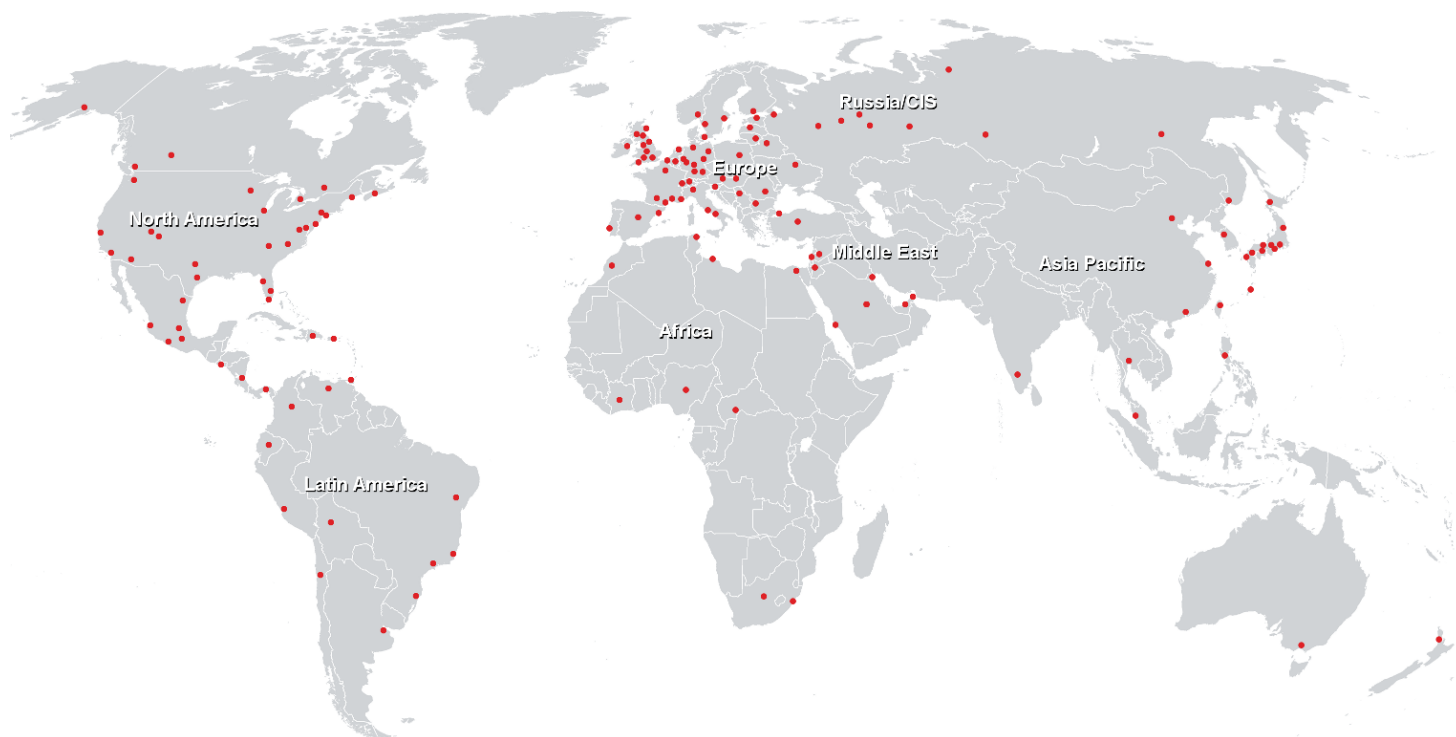
## VMware Tanzu Mission Control Catalog

- Describe the VMware Tanzu Mission Control catalog
- Explain how to install packages
- Describe network packages
- Describe Fluent-Bit
- Explain Prometheus and Grafana
- Describe Harbor
- Describe Flux
- Describe Helm
- Describe Git repositories

## Day 2 Operations

- Describe VMware Tanzu Mission Control Data Protection
- Describe the purpose of cluster inspections
- Identify the life cycle management options supported for the different workload cluster types
- List the steps to scale, upgrade, and delete clusters

## Training Centres worldwide



## Fast Lane Institute for Knowledge Transfer GmbH

Husacherstrasse 3  
CH-8304 Wallisellen  
Tel. +41 44 832 50 80

[info@flane.ch](mailto:info@flane.ch), <https://www.flane.ch>